

slow negotiations would outweigh the benefits they would derive from being able to choose among terms of publicly filed agreements. Unbundled access to agreement provisions will enable smaller carriers who lack bargaining power to obtain favorable terms and conditions -- including rates -- negotiated by large IXCs, and speed the emergence of robust competition.³²⁰⁸

1314. We conclude that incumbent LECs must permit third parties to obtain access under section 252(i) to any individual interconnection, service, or network element arrangement on the same terms and conditions as those contained in any agreement approved under section 252. We find that this level of disaggregation is mandated by section 252(a)(1), which requires that agreements shall include "charges for interconnection and each service or network element included in the agreement," and section 251(c)(3), which requires incumbent LECs to provide "non-discriminatory access to network elements on an unbundled basis." In practical terms, this means that a carrier may obtain access to individual elements such as unbundled loops at the same rates, terms, and conditions as contained in any approved agreement. We agree with ALTS that such a view comports with the statute, and lessens the concerns of carriers that argue that unbundled availability will delay negotiations.

1315. We reject GTE's argument that section 252(i)'s statement, that requesting carriers must receive individual elements "upon the same terms and conditions" as those contained in the agreement, precludes unbundled availability of individual elements. GTE's argument fails to give meaning to Congress's distinction between agreements and elements, and ignores the 1996 Act's prime goals of nondiscriminatory treatment of carriers and promotion of competition. Instead, we conclude that the "same terms and conditions" that an incumbent LEC may insist upon shall relate solely to the individual interconnection, service, or element being requested under section 252(i). For instance, where an incumbent LEC and a new entrant have agreed upon a rate contained in a five-year agreement, section 252(i) does not necessarily entitle a third party to receive the same rate for a three-year commitment. Similarly, that one carrier has negotiated a volume discount on loops does not automatically entitle a third party to obtain the same rate for a smaller amount of loops. Given the primary purpose of section 252(i) of preventing discrimination, we require incumbent LECs seeking to require a third party agree to certain terms and conditions to exercise its rights under section 252(i) to prove to the state commission that the terms and conditions were legitimately related to the purchase of the individual element being sought. By contrast, incumbent LECs may not require as a "same" term or condition the new entrant's agreement to terms and conditions relating to other interconnection, services, or elements in the approved agreement. Moreover, incumbent LEC efforts to restrict availability of interconnection, services, or elements under section 252(i) also must comply with the 1996 Act's general nondiscrimination provisions. See Section VII.d.3.

³²⁰⁸ See Regulatory Flexibility Act, 5 U.S.C. §§ 601 et seq.

1316. We further conclude that section 252(i) entitles all parties with interconnection agreements to "most favored nation" status regardless of whether they include "most favored nation" clauses in their agreements. Congress's command under section 252(i) was that parties may utilize any individual interconnection, service, or element in publicly filed interconnection agreements and incorporate it into the terms of their interconnection agreement. This means that any requesting carrier may avail itself of more advantageous terms and conditions subsequently negotiated by any other carrier for the same individual interconnection, service, or element once the subsequent agreement is filed with, and approved by, the state commission. We believe the approach we adopt will maximize competition by ensuring that carriers' obtain access to terms and elements on a nondiscriminatory basis.

1317. We find that section 252(i) permits differential treatment based on the LEC's cost of serving a carrier. We further observe that section 252(d)(1) requires that unbundled element rates be cost-based, and sections 251(c)(2) and (c)(3) require incumbent LECs to provide only technically-feasible forms of interconnection and access to unbundled elements, while section 252(i) mandates that the availability of publicly-filed agreements be limited to carriers willing to accept the same terms and conditions as the carrier who negotiated the original agreement with the incumbent LEC. We conclude that these provisions, read together, require that publicly-filed agreements be made available only to carriers who cause the incumbent LEC to incur no greater costs than the carrier who originally negotiated the agreement, so as to result in an interconnection arrangement that is both cost-based and technically feasible. However, as discussed in Section VII regarding discrimination, where an incumbent LEC proposes to treat one carrier differently than another, the incumbent LEC must prove to the state commission that that differential treatment is justified based on the cost to the LEC of providing that element to the carrier.

1318. We conclude, however, that section 252(i) does not permit LECs to limit the availability of any individual interconnection, service, or network element only to those requesting carriers serving a comparable class of subscribers or providing the same service (*i.e.*, local, access, or interexchange) as the original party to the agreement. In our view, the class of customers, or the type of service provided by a carrier, does not necessarily bear a direct relationship with the costs incurred by the LEC to interconnect with that carrier or on whether interconnection is technically feasible. Accordingly, we conclude that an interpretation of section 252(i) that attempts to limit availability by class of customer served or type of service provided would be at odds with the language and structure of the statute, which contains no such limitation.

1319. We agree with those commenters who suggest that agreements remain available for use by requesting carriers for a reasonable amount of time. Such a rule addresses incumbent LEC concerns over technical incompatibility, while at the same time providing requesting carriers with a reasonable time during which they may benefit from previously negotiated agreements. In addition, this approach makes economic sense, since the pricing

and network configuration choices are likely to change over time, as several commenters have observed. Given this reality, it would not make sense to permit a subsequent carrier to impose an agreement or term upon an incumbent LEC if the technical requirements of implementing that agreement or term have changed.

1320. We observe that section 252(h) expressly provides that state commissions maintain for public inspection copies of interconnection agreements approved under section 252(f). We therefore decline Jones Intercable's suggestion that we require carriers to file agreements at the FCC, in addition to section 252(h)'s filing requirement. However, when the Commission performs the state's responsibilities under section 252(e)(5), parties must file their agreements with the Commission, as well as with the state commission.³²⁰⁹

1321. We further conclude that a carrier seeking interconnection, network elements, or services pursuant to section 252(i) need not make such requests pursuant to the procedures for initial section 251 requests, but shall be permitted to obtain its statutory rights on an expedited basis. We find that this interpretation furthers Congress's stated goals of opening up local markets to competition and permitting interconnection on just, reasonable, and nondiscriminatory terms, and that we should adopt measures that ensure competition occurs as quickly and efficiently as possible. We conclude that the nondiscriminatory, pro-competition purpose of section 252(i) would be defeated were requesting carriers required to undergo a lengthy negotiation and approval process pursuant to section 251 before being able to utilize the terms of a previously approved agreement. Since agreements shall necessarily be filed with the states pursuant to section 252(h), we leave to state commissions in the first instance the details of the procedures for making agreements available to requesting carriers on an expedited basis. Because of the importance of section 252(i) in preventing discrimination, however, we conclude that carriers seeking remedies for alleged violations of section 252(i) shall be permitted to obtain expedited relief at the Commission, including the resolution of complaints under section 208 of the Communications Act, in addition to their state remedies.

1322. We conclude as well that agreements negotiated prior to enactment of the 1996 Act must be available for use by subsequent, requesting carriers. Section 252(i) must be read in conjunction with section 252(a)(1), which clearly states that "agreement" for purposes of section 252, "includ[es] any interconnection agreement negotiated before the date of enactment"³²¹⁰ We conclude that this language demonstrates that Congress intended 252(i) to apply to agreements negotiated prior to enactment of the 1996 Act and approved by the state commission pursuant to section 252(e), as well as those approved under the section 251/252 negotiation process. Accordingly, we find that agreements negotiated prior to

³²⁰⁹ We note section 22.903(d) of our rules, which remains in effect, requires the BOCs to file with us their interconnection agreements with their affiliated cellular providers. 47 C.F.R. § 22.903(d).

³²¹⁰ 47 U.S.C. § 252(a)(1).

enactment of the 1996 Act must be disclosed publicly, and be made available to requesting telecommunications carriers pursuant to section 252(i).

1323. We also find that section 252(i) applies to interconnection agreements between adjacent, incumbent LECs. We note that section 252(i) requires a local exchange carrier to make available to requesting telecommunications carriers "any interconnection service, or network element *provided under an agreement approved under this section . . .*"³²¹¹ The plain meaning of this section is that any interconnection agreement approved by a state commission, including one between adjacent LECs, must be made available to requesting carriers pursuant to section 252(i). Requiring availability of such agreements will provide new entrants with a realistic benchmark upon which to base negotiations, and this will further the Congressional purpose of increasing competition. As stated in Section III of this Order, adjacent, incumbent LECs will be given an opportunity to renegotiate such agreements before they become subject to section 252(i)'s requirements. In Section III, we also consider, and reject, the Rural Tel. Coalition's argument that making agreements between adjacent, non-competing LECs available under section 252 will have a detrimental effect on small, rural carriers. See Section III, *supra*.

³²¹¹ 47 U.S.C. § 252(i) (emphasis supplied).

XV.
FINAL REGULATORY FLEXIBILITY ANALYSIS

1324. As required by Section 603 of the Regulatory Flexibility Act (RFA), 5 U.S.C. § 603, an Initial Regulatory Flexibility Analysis (IRFA) was incorporated in the NPRM. The Commission sought written public comment on the proposals in the NPRM. The Commission's Final Regulatory Flexibility Analysis (FRFA) in this Order conforms to the RFA, as amended by the Contract With America Advancement Act of 1996 (CWAAA), Pub. L. No. 104-121, 110 Stat. 847 (1996).³²¹²

**A. Need for and Objectives of this Report
and Order and the Rules Adopted Herein**

1325. The Commission, in compliance with section 251(d)(1) of the Communications Act of 1934, as amended by the Telecommunications Act of 1996 (the 1996 Act), promulgates the rules in this Order to ensure the prompt implementation of sections 251 and 252 of the 1996 Act, which are the local competition provisions. Congress sought to establish through the 1996 Act "a pro-competitive, de-regulatory national policy framework" for the United States telecommunications industry.³²¹³ Three principal goals of the telephony provisions of the 1996 Act are: (1) opening local exchange and exchange access markets to competition; (2) promoting increased competition in telecommunications markets that are already open to competition, particularly long distance services markets; and, (3) reforming our system of universal service so that universal service is preserved and advanced as local exchange and exchange access markets move from monopoly to competition.

1326. The rules adopted in this Order implement the first of these goals -- opening local exchange and exchange access markets to competition. The objective of the rules adopted in this Order is to implement as quickly and effectively as possible the national telecommunications policies embodied in the 1996 Act and to promote the development of competitive, deregulated markets envisioned by Congress.³²¹⁴ In doing so, we are mindful of the balance that Congress struck between this goal of bringing the benefits of competition to all consumers and its concern for the impact of the 1996 Act on small incumbent local exchange carriers, particularly rural carriers, as evidenced in section 251(f) of the 1996 Act.

³²¹² Subtitle II of the CWAAA is "The Small Business Regulatory Enforcement Fairness Act of 1996" (SBREFA), codified at 5 U.S.C. § 601 *et seq.*

³²¹³ S. Conf. Rep. No. 230, 104th Cong., 2d Sess. 1 (1996).

³²¹⁴ *Id.*

**B. Analysis of Significant Issues
Raised in Response to the IRFA**

1327. *Summary of the Initial Regulatory Flexibility Analysis (IRFA).* In the NPRM, the Commission performed an IRFA.³²¹⁵ In the IRFA, the Commission found that the rules it proposed to adopt in this proceeding may have a significant impact on a substantial number of small business as defined by section 601(3) of the RFA. The Commission stated that its regulatory flexibility analysis was inapplicable to incumbent LECs because such entities are dominant in their field of operation. The Commission noted, however, that it would take appropriate steps to ensure that the special circumstances of smaller incumbent LECs are carefully considered in our rulemaking. The Commission also found that the proposed rules may overlap or conflict with the Commission's Part 69 access charge and *Expanded Interconnection* rules. Finally, the IRFA solicited comment on alternatives to our proposed rules that would minimize the impact on small entities consistent with the objectives of this proceeding.

1. Treatment of Small LECs

1328. *Comments.* The Small Business Administration (SBA), the Rural Telephone Coalition (Rural Tel. Coalition), and CompTel maintain that the Commission violated the RFA when it failed to include small incumbent LECs in its IRFA without first consulting SBA to establish a definition of "small business."³²¹⁶ Rural Tel. Coalition and CompTel also argue that the Commission failed to explain its statement that "incumbent LECs are dominant in their field of operation" or how that finding was reached.³²¹⁷ Rural Tel. Coalition states that such an analysis of the market power of incumbent LECs is necessary because incumbent LECs are now facing competition from a variety of sources, including wireline and wireless carriers. Rural Tel. Coalition recommends that the Commission abandon its determination that all incumbent LECs are dominant, and perform regulatory flexibility analysis for incumbent LECs having fewer than 1500 employees.³²¹⁸

1329. *Discussion.* In essence, SBA and Rural Tel. Coalition argue that we exceeded our authority under the RFA by certifying all incumbent LECs as dominant in their field of operation, and concluding on that basis that they are not small businesses under the RFA. SBA and Rural Tel. Coalition contend that the authority to make a size determination rests

³²¹⁵ NPRM at paras. 274-287.

³²¹⁶ SBA RFA comments at 3-5; Rural Tel. Coalition reply at 38-39; CompTel reply at 46.

³²¹⁷ Rural Tel. Coalition reply at 39; CompTel reply at 46.

³²¹⁸ Rural Tel. Coalition reply at 40.

solely with SBA and that, by excluding a group (small incumbent LECs) from coverage under the RFA, the Commission made an unauthorized size determination.³²¹⁹ Neither SBA nor Rural Tel. Coalition cites any specific authority for this latter proposition.

1330. We have found incumbent LECs to be "dominant in their field of operation" since the early 1980's, and we consistently have certified under the RFA³²²⁰ that incumbent LECs are not subject to regulatory flexibility analyses because they are not small businesses.³²²¹ We have made similar determinations in other areas.³²²² We recognize SBA's special role and expertise with regard to the RFA, and intend to continue to consult with SBA outside the context of this proceeding to ensure that the Commission is fully implementing the RFA. Although we are not fully persuaded on the basis of this record that our prior practice has been incorrect, in light of the special concerns raised by SBA and Rural Tel. Coalition in this proceeding, we will, nevertheless, include small incumbent LECs in this FRFA to remove any possible issue of RFA compliance. We, therefore, need not address Rural Tel. Coalition's arguments that incumbent LECs are not dominant.³²²³

2. Other Issues

1331. *Comments.* Parties raised several other issues in response to the Commission's IRFA in the NPRM. SBA and CompTel contend that commenters should not be required to separate their comments on the IRFA from their comments on the other issues raised in the NPRM.³²²⁴ SBA maintains that separating RFA comments and discussion from the rest of the comments "isolates" the regulatory flexibility analysis from the remainder of the discussion, thereby handicapping the Commission's analysis of the impact of the proposed rules on small businesses.³²²⁵ SBA further suggests that our IRFA failed to: (1) give an adequate

³²¹⁹ SBA RFA comments at 4-5 (citing 15 U.S.C. §632(a)(2)); Rural Tel. Coalition reply at 38.

³²²⁰ See 5 U.S.C. § 605(b).

³²²¹ See, e.g., *Expanded Interconnection with Local Telephone Company Facilities*, Supplemental Notice of Proposed Rulemaking, 6 FCC Rcd 5809 (1991); *MTS and WATS Market Structure*, Report and Order, 2 FCC Rcd 2953, 2959 (1987) (citing *MTS and WATS Market Structure*, Third Report and Order, 93 F.C.C.2d 241, 338-39 (1983)).

³²²² See, e.g., *In the Matter of Implementation of Sections of the Cable Television Consumer Protection Act of 1992: Rate Regulation*, Sixth Report and Order and Eleventh Order on Reconsideration, 10 FCC Rcd 7393, 7418 (1995).

³²²³ Rural Tel. Coalition reply at 39-40.

³²²⁴ SBA RFA comments at 2-3, CompTel reply at 46.

³²²⁵ *Id.*

description of the projected reporting, recordkeeping, and other compliance requirements of the proposed rules, including an estimate of the classes of small entities that will be subject to the requirement and the professional skills necessary to prepare such reports or records;³²²⁶ and (2) describe significant alternatives that minimize the significant economic impact of the proposal on small entities, including exemption from coverage of the rule.³²²⁷ SBA also asserts that none of the alternatives in the NPRM is designed to minimize the impact of the proposed rules on small businesses.

1332. The Idaho Commission argues that the Commission's rules will be devised for large carriers and therefore will be "de facto burdensome" to Idaho's incumbent LECs and probably to potential new entrants, which may be small companies.³²²⁸ Therefore, Idaho requests that state commissions be permitted flexibility to address the impacts of our rules on smaller incumbent LECs.

1333. The Small Cable Business Association (SCBA) contends that the Commission's IRFA is inadequate because it does not state that small cable companies are among the small entities affected by the proposed rules.³²²⁹ In its comments on the IRFA, SCBA refers to its proposal that the Commission establish the following national standards for small cable companies: (1) the definition of "good faith" negotiation; (2) the development of less burdensome arbitration procedures for interconnection and resale; (3) the designation of a small company contact person at incumbent LECs and state commissions; and (4) the application of section 251(f) of the 1996 Act.³²³⁰

1334. *Discussion.* We disagree with SBA's assessment of our IRFA. Although the IRFA referred only generally to the reporting and recordkeeping requirements imposed on incumbent LECs, our Federal Register notice set forth in detail the general reporting and recordkeeping requirements as part of our Paperwork Reduction Act statement.³²³¹ The IRFA also sought comment on the many alternatives discussed in the body of the NPRM, including the statutory exemption for certain rural telephone companies.³²³² The numerous general

³²²⁶ SBA RFA comments at 5-6, citing 5 U.S.C. § 603(b)(4).

³²²⁷ SBA RFA comments at 7-8, citing 5 U.S.C. § 603(c).

³²²⁸ Idaho Commission comments at 15.

³²²⁹ SCBA RFA comments at 1.

³²³⁰ *Id.* at 1-2.

³²³¹ NPRM, at para. 283 (rel. Apr. 19, 1996), summarized at 61 Fed. Reg. 18311, 18312 (Apr. 25, 1996).

³²³² 47 U.S.C. § 251(f).

public comments concerning the impact of our proposal on small entities in response to the NPRM, including comments filed directly in response to the IRFA,³²³³ enabled us to prepare this FRFA. Thus, we conclude that the IRFA was sufficiently detailed to enable parties to comment meaningfully on the proposed rules and, thus, for us to prepare this FRFA. We have been working with, and will continue to work with SBA, to ensure that both our IRFAs and FRFAs fully meet the requirements of the RFA.

1335. SBA also objects to the NPRM's requirement that responses to the IRFA be filed under a separate and distinct heading, and proposes that we integrate RFA comments into the body of general comments on a rule.³²³⁴ Almost since the adoption of the RFA, we have requested that IRFA comments be submitted under a separate and distinct heading.³²³⁵ Neither the RFA nor SBA's rules prescribe the manner in which comments may be submitted in response to an IRFA³²³⁶ and, in such circumstances, it is well established that an administrative agency can structure its proceedings in any manner that it concludes will enable it to fulfill its statutory duties.³²³⁷ Based on our past practice, we find that separation of comments responsive to the IRFA facilitates our preparation of a compulsory summary of such comments and our responses to them, as required by the RFA. Comments on the impact of our proposed rules on small entities have been integrated into our analysis and consideration of the final rules. We, therefore, reject SBA's argument that we improperly required commenters to include their comments on the IRFA in a separate section.

1336. We also reject SBA's assertion that none of the alternatives in the NPRM is designed to minimize the impact of the proposed rules on small businesses. For example, we proposed that incumbent LECs be required to offer competitors access to unbundled local loop, switching, and transport facilities.³²³⁸ These proposals permit potential competitors to enter the market by relying, in part or entirely, on the incumbent LEC's facilities. Reduced economic entry barriers are designed to provide reasonable opportunities for new entrants, particularly small entities, to enter the market by minimizing the initial investment needed to

³²³³ SBA RFA comments; Rural Tel. Coalition reply at 38-41; Idaho Commission comments at 15; SCBA RFA comments; CompTel reply at 45-46.

³²³⁴ SBA RFA comments at 2.

³²³⁵ See, e.g., *Inquiry into the Development of Regulatory Policy in Regard to Direct Broadcast Satellites*, Notice of Proposed Policy Statement and Rulemaking, 86 F.C.C.2d 719, 755 (1981).

³²³⁶ See 5 U.S.C. § 603 (IRFA requirements).

³²³⁷ See *Vermont Yankee Nuclear Power Corp. v. Natural Resources Defense Council, Inc.*, 435 U.S. 519, 524-25 (1978), citing *FCC v. Schreiber*, 381 U.S. 279, 290 (1965) and *FCC v. Pottsville Broadcasting Co.*, 309 U.S. 134, 138 (1940).

³²³⁸ NPRM paras. 94-97.

begin providing service. In addition, we believe section 251(f) and our rules provide states with significant flexibility to "deal with the needs of individual companies in light of public interest concerns," as requested by the Idaho Commission. With regard to the potential burdens on small entities other than incumbent LECs, we believe our rules permit states to structure arbitration procedures, for example, in ways that minimize filing or other burdens on new entrants that are small entities.

1337. We also disagree with SCBA's assertion that the IRFA was deficient because it did not identify small cable operators as entities that would be affected by the proposed rules. The IRFA in the NPRM states: "Insofar as the proposals in this Notice apply to telecommunications carriers other than incumbent LECs (generally interexchange carriers and new LEC entrants), they may have a significant impact on a substantial number of small entities."³²³⁹ The phrase "new LEC entrants" clearly encompasses small cable operators that become providers of local exchange service. The NPRM even identifies cable operators as potential new entrants.³²⁴⁰

1338. We agree with SCBA's argument that the Commission should identify certain minimum standards to provide guidance on the requirement that parties negotiate in good faith.³²⁴¹ As discussed in Section III.B, we conclude that we should establish minimum standards that will offer parties guidance in determining whether they are acting in good faith. We believe that these minimum standards address SCBA's assertion that federal guidelines for good faith negotiations may be particularly important for small entities because unreasonable delays in negotiations could represent an entry barrier for small entities.

1339. We also agree with SCBA's recommendation that we should establish guidelines for the application of section 251(f) regarding exemptions, suspensions, and modifications of our rules governing interconnection with rural carriers. As discussed in section XII.B, we find that a rural incumbent LEC should not be able to obtain an exemption, suspension, or modification of its obligations under section 251 unless it offers evidence that the application of those requirements would be likely to cause injury beyond the financial harm typically associated with efficient competitive entry. We are also persuaded by the suggestion of SCBA and others that incumbent LECs should bear the burden of showing that they should be exempt pursuant to section 251(f)(1) from national interconnection requirements. We believe that this finding is consistent with the pro-competitive goals of the 1996 Act and our determination in Section XII that Congress did not intend to withhold from consumers the benefits of local telephone competition that could be provided by small entities,

³²³⁹ NPRM para. 277.

³²⁴⁰ NPRM para. 6.

³²⁴¹ This good faith requirement is found in 47 U.S.C. § 251(c)(1).

such as small cable operators.

1340. We do not adopt SCBA's proposal to establish abbreviated arbitration procedures.³²⁴² Most commenters oppose adoption of federal rules to govern state mediation and arbitration proceedings. As set out in Section XIV.A, we conclude that state commissions are better positioned to develop rules for mediation and arbitration that support the objectives of the 1996 Act. The rules we adopt in Section XIV.A apply only where the Commission assumes a state commission's responsibilities pursuant to section 252(e)(5). States may develop specific measures that address the concerns of small entities participating in mediation or arbitration, as suggested by SCBA. In addition, although we do not specifically incorporate SCBA's request that the Commission designate a "small company contact person at incumbent LECs and state commissions,"³²⁴³ we find that a refusal throughout the negotiation process to designate a representative with authority to make binding representations on behalf of the party, and thereby significantly delay resolution of issues, would constitute failure to negotiate in good faith. Therefore, we conclude that the potential benefits of SCBA's proposal are achieved by our determination that the failure of an incumbent LEC to designate a person authorized to bind his or her company in negotiations is a violation of the good faith obligation of section 251.

**C. Description and Estimates of the Number of
Small Entities Affected by this Report and Order**

1341. For the purposes of this Order, the RFA defines a "small business" to be the same as a "small business concern" under the Small Business Act, 15 U.S.C. § 632, unless the Commission has developed one or more definitions that are appropriate to its activities.³²⁴⁴ Under the Small Business Act, a "small business concern" is one that: (1) is independently owned and operated; (2) is not dominant in its field of operation; and (3) meets any additional criteria established by the Small Business Administration (SBA).³²⁴⁵ SBA has defined a small business for Standard Industrial Classification (SIC) categories 4812 (Radiotelephone Communications) and 4813 (Telephone Communications, Except Radiotelephone) to be small entities when they have fewer than 1,500 employees.³²⁴⁶ We first discuss generally the total

³²⁴² SCBA RFA comments at 1-2.

³²⁴³ SCBA RFA comments at 2.

³²⁴⁴ See 5 U.S.C. § 601(3) (incorporating by reference the definition of "small business concern" in 5 U.S.C. § 632).

³²⁴⁵ 15 U.S.C. § 632. See, e.g., *Brown Transport Truckload, Inc. v. Southern Wipers, Inc.*, 176 B.R. 82 (N.D. Ga. 1994).

³²⁴⁶ 13 C.F.R. § 121.201.

number of small telephone companies falling within both of those SIC categories. Then, we discuss the number of small businesses within the two subcategories, and attempt to refine further those estimates to correspond with the categories of telephone companies that are commonly used under our rules.

1342. Consistent with our prior practice, we shall continue to exclude small incumbent LECs from the definition of a small entity for the purpose of this FRFA. Nevertheless, as mentioned above, we include small incumbent LECs in our FRFA. Accordingly, our use of the terms "small entities" and "small businesses" does not encompass "small incumbent LECs." We use the term "small incumbent LECs" to refer to any incumbent LECs that arguably might be defined by SBA as "small business concerns."³²⁴⁷

1. Telephone Companies (SIC 481)

1343. *Total Number of Telephone Companies Affected.* Many of the decisions and rules adopted herein may have a significant effect on a substantial number of the small telephone companies identified by SBA. The United States Bureau of the Census ("the Census Bureau") reports that, at the end of 1992, there were 3,497 firms engaged in providing telephone services, as defined therein, for at least one year.³²⁴⁸ This number contains a variety of different categories of carriers, including local exchange carriers, interexchange carriers, competitive access providers, cellular carriers, mobile service carriers, operator service providers, pay telephone operators, PCS providers, covered SMR providers, and resellers. It seems certain that some of those 3,497 telephone service firms may not qualify as small entities or small incumbent LECs because they are not "independently owned and operated."³²⁴⁹ For example, a PCS provider that is affiliated with an interexchange carrier having more than 1,500 employees would not meet the definition of a small business. It seems reasonable to conclude, therefore, that fewer than 3,497 telephone service firms are small entity telephone service firms or small incumbent LECs that may be affected by this Order.

1344. *Wireline Carriers and Service Providers.* SBA has developed a definition of small entities for telephone communications companies other than radiotelephone (wireless) companies. The Census Bureau reports that, there were 2,321 such telephone companies in operation for at least one year at the end of 1992.³²⁵⁰ According to SBA's definition, a small

³²⁴⁷ See 13 C.F.R. § 121.210 (SIC 4813).

³²⁴⁸ United States Department of Commerce, Bureau of the Census, *1992 Census of Transportation, Communications, and Utilities: Establishment and Firm Size*, at Firm Size 1-123 (1995) (*1992 Census*).

³²⁴⁹ 15 U.S.C. § 632(a)(1).

³²⁵⁰ *1992 Census, supra*, at Firm Size 1-123.

business telephone company other than a radiotelephone company is one employing fewer than 1,500 persons.³²⁵¹ All but 26 of the 2,321 non-radiotelephone companies listed by the Census Bureau were reported to have fewer than 1,000 employees. Thus, even if all 26 of those companies had more than 1,500 employees, there would still be 2,295 non-radiotelephone companies that might qualify as small entities or small incumbent LECs. Although it seems certain that some of these carriers are not independently owned and operated, we are unable at this time to estimate with greater precision the number of wireline carriers and service providers that would qualify as small business concerns under SBA's definition. Consequently, we estimate that there are fewer than 2,295 small entity telephone communications companies other than radiotelephone companies that may be affected by the decisions and rules adopted in this Order.

1345. *Local Exchange Carriers.* Neither the Commission nor SBA has developed a definition of small providers of local exchange services (LECs). The closest applicable definition under SBA rules is for telephone communications companies other than radiotelephone (wireless) companies. The most reliable source of information regarding the number of LECs nationwide of which we are aware appears to be the data that we collect annually in connection with the Telecommunications Relay Service (TRS). According to our most recent data, 1,347 companies reported that they were engaged in the provision of local exchange services.³²⁵² Although it seems certain that some of these carriers are not independently owned and operated, or have more than 1,500 employees, we are unable at this time to estimate with greater precision the number of LECs that would qualify as small business concerns under SBA's definition. Consequently, we estimate that there are fewer than 1,347 small incumbent LECs that may be affected by the decisions and rules adopted in this Order.

1346. *Interexchange Carriers.* Neither the Commission nor SBA has developed a definition of small entities specifically applicable to providers of interexchange services (IXCs). The closest applicable definition under SBA rules is for telephone communications companies other than radiotelephone (wireless) companies. The most reliable source of information regarding the number of IXCs nationwide of which we are aware appears to be the data that we collect annually in connection with TRS. According to our most recent data, 97 companies reported that they were engaged in the provision of interexchange services.³²⁵³ Although it seems certain that some of these carriers are not independently owned and

³²⁵¹ 13 C.F.R. § 121.201, Standard Industrial Classification (SIC) Code 4812.

³²⁵² Federal Communications Commission, CCB, Industry Analysis Division, *Telecommunications Industry Revenue: TRS Fund Worksheet Data*, Tbl. 21 (Average Total Telecommunications Revenue Reported by Class of Carrier) (Feb. 1996) (*TRS Worksheet*).

³²⁵³ *Id.*

operated, or have more than 1,500 employees, we are unable at this time to estimate with greater precision the number of IXCs that would qualify as small business concerns under SBA's definition. Consequently, we estimate that there are fewer than 97 small entity IXCs that may be affected by the decisions and rules adopted in this Order.

1347. *Competitive Access Providers.* Neither the Commission nor SBA has developed a definition of small entities specifically applicable to providers of competitive access services (CAPs). The closest applicable definition under SBA rules is for telephone communications companies other than radiotelephone (wireless) companies. The most reliable source of information regarding the number of CAPs nationwide of which we are aware appears to be the data that we collect annually in connection with the TRS. According to our most recent data, 30 companies reported that they were engaged in the provision of competitive access services.³²⁵⁴ Although it seems certain that some of these carriers are not independently owned and operated, or have more than 1,500 employees, we are unable at this time to estimate with greater precision the number of CAPs that would qualify as small business concerns under SBA's definition. Consequently, we estimate that there are fewer than 30 small entity CAPs that may be affected by the decisions and rules adopted in this Order.

1348. *Operator Service Providers.* Neither the Commission nor SBA has developed a definition of small entities specifically applicable to providers of operator services. The closest applicable definition under SBA rules is for telephone communications companies other than radiotelephone (wireless) companies. The most reliable source of information regarding the number of operator service providers nationwide of which we are aware appears to be the data that we collect annually in connection with the TRS. According to our most recent data, 29 companies reported that they were engaged in the provision of operator services.³²⁵⁵ Although it seems certain that some of these companies are not independently owned and operated, or have more than 1,500 employees, we are unable at this time to estimate with greater precision the number of operator service providers that would qualify as small business concerns under SBA's definition. Consequently, we estimate that there are fewer than 29 small entity operator service providers that may be affected by the decisions and rules adopted in this Order.

1349. *Pay Telephone Operators.* Neither the Commission nor SBA has developed a definition of small entities specifically applicable to pay telephone operators. The closest applicable definition under SBA rules is for telephone communications companies other than radiotelephone (wireless) companies. The most reliable source of information regarding the number of pay telephone operators nationwide of which we are aware appears to be the data that we collect annually in connection with the TRS. According to our most recent data, 197

³²⁵⁴ *Id.*

³²⁵⁵ *Id.*

companies reported that they were engaged in the provision of pay telephone services.³²⁵⁶ Although it seems certain that some of these carriers are not independently owned and operated, or have more than 1,500 employees, we are unable at this time to estimate with greater precision the number of pay telephone operators that would qualify as small business concerns under SBA's definition. Consequently, we estimate that there are fewer than 197 small entity pay telephone operators that may be affected by the decisions and rules adopted in this Order.

1350. *Wireless (Radiotelephone) Carriers.* SBA has developed a definition of small entities for radiotelephone (wireless) companies. The Census Bureau reports that there were 1,176 such companies in operation for at least one year at the end of 1992.³²⁵⁷ According to SBA's definition, a small business radiotelephone company is one employing fewer than 1,500 persons.³²⁵⁸ The Census Bureau also reported that 1,164 of those radiotelephone companies had fewer than 1,000 employees. Thus, even if all of the remaining 12 companies had more than 1,500 employees, there would still be 1,164 radiotelephone companies that might qualify as small entities if they are independently owned and operated. Although it seems certain that some of these carriers are not independently owned and operated, we are unable at this time to estimate with greater precision the number of radiotelephone carriers and service providers that would qualify as small business concerns under SBA's definition. Consequently, we estimate that there are fewer than 1,164 small entity radiotelephone companies that may be affected by the decisions and rules adopted in this Order.

1351. *Cellular Service Carriers.* Neither the Commission nor SBA has developed a definition of small entities specifically applicable to providers of cellular services. The closest applicable definition under SBA rules is for telephone communications companies other than radiotelephone (wireless) companies. The most reliable source of information regarding the number of cellular service carriers nationwide of which we are aware appears to be the data that we collect annually in connection with the TRS. According to our most recent data, 789 companies reported that they were engaged in the provision of cellular services.³²⁵⁹ Although it seems certain that some of these carriers are not independently owned and operated, or have more than 1,500 employees, we are unable at this time to estimate with greater precision the number of cellular service carriers that would qualify as small business concerns under SBA's definition. Consequently, we estimate that there are fewer than 789 small entity cellular service carriers that may be affected by the decisions and rules adopted in this Order.

³²⁵⁶ *Id.*

³²⁵⁷ United States Department of Commerce, Bureau of the Census, *1992 Census of Transportation, Communications, and Utilities: Establishment and Firm Size*, at Firm Size 1-123 (1995) (*1992 Census*).

³²⁵⁸ 13 C.F.R. § 121.201, Standard Industrial Classification (SIC) Code 4812.

³²⁵⁹ *Id.*

1352. *Mobile Service Carriers.* Neither the Commission nor SBA has developed a definition of small entities specifically applicable to mobile service carriers, such as paging companies. The closest applicable definition under SBA rules is for telephone communications companies other than radiotelephone (wireless) companies. The most reliable source of information regarding the number of mobile service carriers nationwide of which we are aware appears to be the data that we collect annually in connection with the TRS. According to our most recent data, 117 companies reported that they were engaged in the provision of mobile services.³²⁶⁰ Although it seems certain that some of these carriers are not independently owned and operated, or have more than 1,500 employees, we are unable at this time to estimate with greater precision the number of mobile service carriers that would qualify under SBA's definition. Consequently, we estimate that there are fewer than 117 small entity mobile service carriers that may be affected by the decisions and rules adopted in this Order.

1353. *Broadband PCS Licensees.* The broadband PCS spectrum is divided into six frequency blocks designated A through F. As set forth in 47 C.F.R. § 24.720(b), the Commission has defined "small entity" in the auctions for Blocks C and F as a firm that had average gross revenues of less than \$40 million in the three previous calendar years. Our definition of a "small entity" in the context of broadband PCS auctions has been approved by SBA.³²⁶¹ The Commission has auctioned broadband PCS licenses in Blocks A, B, and C. We do not have sufficient data to determine how many small businesses bid successfully for licenses in Blocks A and B. There were 90 winning bidders that qualified as small entities in the Block C auction. Based on this information, we conclude that the number of broadband PCS licensees affected by the decisions in this Order includes, at a minimum, the 90 winning bidders that qualified as small entities in the Block C broadband PCS auction.

1354. At present, no licenses have been awarded for Blocks D, E, and F of broadband PCS spectrum. Therefore, there are no small businesses currently providing these services. However, a total of 1,479 licenses will be awarded in the D, E, and F Block broadband PCS auctions, which are scheduled to begin on August 26, 1996. Eligibility for the 493 F Block licenses is limited to entrepreneurs with average gross revenues of less than \$125 million.³²⁶² We cannot estimate, however, the number of these licenses that will be won by small entities under our definition, nor how many small entities will win D or E Block licenses. Given that

³²⁶⁰ *Id.*

³²⁶¹ See *Implementation of Section 309(j) of the Communications Act – Competitive Bidding*, PP Docket No. 93-253, Fifth Report and Order, 9 FCC Rcd 5532, 5581-84 (1994).

³²⁶² *Amendment of Parts 20 and 24 of the Commission's Rules – Broadband PCS Competitive Bidding and the Commercial Mobile Radio Service Spectrum Cap*, WT Docket No. 96-59, *Amendment of the Commission's Cellular/PCS Cross-Ownership Rule*, Report and Order, GN Docket No. 90-314, FCC 96-278 (rel. June 24, 1996).

nearly all radiotelephone companies have fewer than 1,000 employees³²⁶³ and that no reliable estimate of the number of prospective D, E, and F Block licensees can be made, we assume for purposes of this FRFA, that all of the licenses in the D, E, and F Block Broadband PCS auctions may be awarded to small entities under our rules, which may be affected by the decisions and rules adopted in this Order.

1355. *SMR Licensees.* Pursuant to 47 C.F.R. § 90.814(b)(1), the Commission has defined "small entity" in auctions for geographic area 800 MHz and 900 MHz SMR licenses as a firm that had average annual gross revenues of less than \$15 million in the three previous calendar years. This definition of a "small entity" in the context of 800 MHz and 900 MHz SMR has been approved by the SBA.³²⁶⁴ The rules adopted in this Order may apply to SMR providers in the 800 MHz and 900 MHz bands that either hold geographic area licenses or have obtained extended implementation authorizations. We do not know how many firms provide 800 MHz or 900 MHz geographic area SMR service pursuant to extended implementation authorizations, nor how many of these providers have annual revenues of less than \$15 million. We assume, for purposes of this FRFA, that all of the extended implementation authorizations may be held by small entities, which may be affected by the decisions and rules adopted in this Order.

1356. The Commission recently held auctions for geographic area licenses in the 900 MHz SMR band. There were 60 winning bidders who qualified as small entities in the 900 MHz auction. Based on this information, we conclude that the number of geographic area SMR licensees affected by the rule adopted in this Order includes these 60 small entities. No auctions have been held for 800 MHz geographic area SMR licenses. Therefore, no small entities currently hold these licenses. A total of 525 licenses will be awarded for the upper 200 channels in the 800 MHz geographic area SMR auction. However, the Commission has not yet determined how many licenses will be awarded for the lower 230 channels in the 800 MHz geographic area SMR auction. There is no basis, moreover, on which to estimate how many small entities will win these licenses. Given that nearly all radiotelephone companies have fewer than 1,000 employees and that no reliable estimate of the number of prospective 800 MHz licensees can be made, we assume, for purposes of this FRFA, that all of the licenses may be awarded to small entities who, thus, may be affected by the decisions in this Order.

³²⁶³ 1992 Census, Table 5, Employment Size of Firms: 1992, SIC Code 4812.

³²⁶⁴ See Amendment of Parts 2 and 90 of the Commission's Rules to Provide for the Use of 200 Channels Outside the Designated Filing Areas in the 896-901 MHz and the 935-940 MHz Bands Allotted to the Specialized Mobile Radio Pool, PR Docket No. 89-583, Second Order on Reconsideration and Seventh Report and Order, 11 FCC Rcd 2639, 2693-702 (1995); Amendment of Part 90 of the Commission's Rules to Facilitate Future Development of SMR Systems in the 800 MHz Frequency Band, PR Docket No. 93-144, First Report and Order, Eighth Report and Order, and Second Further Notice of Proposed Rulemaking, 11 FCC Rcd 1463 (1995).

1357. *Resellers.* Neither the Commission nor SBA has developed a definition of small entities specifically applicable to resellers. The closest applicable definition under SBA rules is for all telephone communications companies. The most reliable source of information regarding the number of resellers nationwide of which we are aware appears to be the data that we collect annually in connection with the TRS. According to our most recent data, 206 companies reported that they were engaged in the resale of telephone services.³²⁶⁵ Although it seems certain that some of these carriers are not independently owned and operated, or have more than 1,500 employees, we are unable at this time to estimate with greater precision the number of resellers that would qualify as small business concerns under SBA's definition. Consequently, we estimate that there are fewer than 206 small entity resellers that may be affected by the decisions and rules adopted in this Order.

2. Cable System Operators (SIC 4841)

1358. SBA has developed a definition of small entities for cable and other pay television services, which includes all such companies generating less than \$11 million in revenue annually. This definition includes cable systems operators, closed circuit television services, direct broadcast satellite services, multipoint distribution systems, satellite master antenna systems and subscription television services. According to the Census Bureau, there were 1,323 such cable and other pay television services generating less than \$11 million in revenue that were in operation for at least one year at the end of 1992.³²⁶⁶

1359. The Commission has developed its own definition of a small cable system operator for the purposes of rate regulation. Under the Commission's rules, a "small cable company," is one serving fewer than 400,000 subscribers nationwide.³²⁶⁷ Based on our most recent information, we estimate that there were 1,439 cable operators that qualified as small cable system operators at the end of 1995.³²⁶⁸ Since then, some of those companies may have grown to serve over 400,000 subscribers, and others may have been involved in transactions that caused them to be combined with other cable operators. Consequently, we estimate that there are fewer than 1,468 small entity cable system operators that may be affected by the decisions and rules adopted in this Order.

³²⁶⁵ *Id.*

³²⁶⁶ 1992 Census, *supra*, at Firm Size 1-123.

³²⁶⁷ 47 C.F.R. § 76.901(e). The Commission developed this definition based on its determination that a small cable system operator is one with annual revenues of \$100 million or less. *Implementation of Sections of the 1992 Cable Act: Rate Regulation*, Sixth Report and Order and Eleventh Order on Reconsideration, 10 FCC Rcd 7393.

³²⁶⁸ Paul Kagan Associates, Inc., *Cable TV Investor*, Feb. 29, 1996 (based on figures for Dec. 30, 1995).

1360. The Communications Act also contains a definition of a small cable system operator, which is "a cable operator that, directly or through an affiliate, serves in the aggregate fewer than 1 percent of all subscribers in the United States and is not affiliated with any entity or entities whose gross annual revenues in the aggregate exceed \$250,000,000."³²⁶⁹ There were 63,196,310 basic cable subscribers at the end of 1995, and 1,450 cable system operators serving fewer than one percent (631,960) of subscribers.³²⁷⁰ Although it seems certain that some of these cable system operators are affiliated with entities whose gross annual revenues exceed \$250,000,000, we are unable at this time to estimate with greater precision the number of cable system operators that would qualify as small cable operators under the definition in the Communications Act.

D. Summary Analysis of the Projected Reporting, Recordkeeping, and Other Compliance Requirements and Steps Taken to Minimize the Significant Economic Impact of this Report and Order on Small Entities and Small Incumbent LECs, Including the Significant Alternatives Considered and Rejected

1361. *Structure of the Analysis.* In this section of the FRFA, we analyze the projected reporting, recordkeeping, and other compliance requirements that may apply to small entities and small incumbent LECs as a result of this Order.³²⁷¹ As a part of this discussion, we mention some of the types of skills that will be needed to meet the new requirements. We also describe the steps taken to minimize the economic impact of our decisions on small entities and small incumbent LECs, including the significant alternatives considered and rejected.³²⁷² Due to the size of this Order, we set forth our analysis separately for individual sections of the item, using the same headings as were used above in the corresponding sections of the Order.

1362. We provide this summary analysis to provide context for our analysis in this FRFA. To the extent that any statement contained in this FRFA is perceived as creating ambiguity with respect to our rules or statements made in preceding sections of this Order, the rules and statements set forth in those preceding sections shall be controlling.

³²⁶⁹ 47 U.S.C. § 543(m)(2).

³²⁷⁰ Paul Kagan Associates, Inc., *Cable TV Investor*, Feb. 29, 1996 (based on figures for Dec. 30, 1995).

³²⁷¹ See 5 U.S.C. § 604(a)(4).

³²⁷² See 5 U.S.C. § 604(a)(5).

**Summary Analysis of Section II
SCOPE OF THE COMMISSION'S RULES**

1363. *Summary of Projected Reporting, Recordkeeping and Other Compliance Requirements.* As discussed in Section II.E, a common carrier, which may be a small entity or a small incumbent LEC, may be subject to an action for relief in several different fora if a party believes that small entity or incumbent LEC violated the standards under section 251 or 252. Should a small entity or a small incumbent LEC be subjected to such an action for relief, it will require the use of legal skills.

1364. *Steps Taken to Minimize Significant Economic Impact on Small Entities and Small Incumbent LECs, and Alternatives Considered.* We believe that our actions establishing minimum national rules will facilitate the development of competition in the local exchange and exchange access markets for the reasons discussed in Sections II.A and II.B above. For example, national rules may: help equalize bargaining power; minimize the need for duplicative marketing strategies and multiple network configurations; lower administrative costs; lessen the need to re-litigate the same issue in multiple jurisdictions; and reduce delay and transaction costs, which can pose particular burdens for small businesses. In addition, our rules are designed to accommodate differences among regions and carriers, and the reduced regulatory burdens and increased certainty produced by national rules may be expected to minimize the economic impact of our decisions for all parties, including any small entities and small incumbent LECs. As set forth in Section II.A above, we reject suggestions to adopt more, or fewer, national rules than we ultimately adopt in this Order. We reject the arguments that we should establish "preferred outcomes" from which parties could deviate upon an adequate showing, or that we establish a process by which state commissions could seek a waiver from the Commission's rules, for the reasons set forth in Section II.B above.

1365. We believe that our determination that there are multiple methods for bringing enforcement actions against parties regarding their obligations under sections 251 and 252 will assist all parties, including small entities and small incumbent LECs, by providing a variety of methods and fora for seeking enforcement of such obligations. (Section II.E - Authority to Take Enforcement Action.) Similarly, our conclusion that Bell Operating Company (BOC) statements of generally available terms and conditions are governed by the same national rules that apply to agreements arbitrated under section 252 should ease administrative burdens for all parties in markets served by BOCs, which may include small entities, because they will not need to evaluate and comply with different sets of rules. (Section II.F - BOC Statements of Generally Available Terms.) Finally, we decline to adopt different requirements for agreements arbitrated under section 252 and BOC statements of generally available terms and conditions for the reasons set forth in section II.F above.

Summary Analysis of Section III DUTY TO NEGOTIATE IN GOOD FAITH

1366. *Summary of Projected Reporting, Recordkeeping and Other Compliance Requirements.* Incumbent LECs, including small incumbent LECs that receive requests for access to network elements and/or services pursuant to sections 251 and 252 of the Act will be required to negotiate in good faith over the terms of interconnection agreements. This Order identifies several practices as violations of the duty to negotiate in good faith, including: (1) a party's seeking or entering into an agreement prohibiting disclosure of information requested by the FCC or a state commission, or supplied in support of a request for arbitration pursuant to section 252(b)(2)(B); (2) seeking or entering into an agreement precluding amendment of the agreement to account for changes in federal or state rules; (3) an incumbent's denial of a reasonable request for cost data during negotiations; and (4) an entrant's failure to provide to the incumbent LEC information necessary to reach agreement. Complying with the projected requirements of this section may require the use of legal skills. In addition, incumbent LECs and new entrants having interconnection agreements that predate the 1996 Act must file such agreements with the state commission for approval under section 252(e).

1367. *Steps Taken to Minimize Significant Economic Impact on Small Entities and Small Incumbent LECs, and Alternatives Considered.* As set forth above, we believe our decision to establish national rules and a review process concerning parties' duties to negotiate in good faith are designed to facilitate good faith negotiations, which should minimize regulatory burdens and the economic impact of our decisions for all parties, including small entities and small incumbent LECs. (Section III.A - Advantages and Disadvantages of National Rules.) We also expect economic impacts to be minimized for small entities seeking to enter into agreements with incumbent LECs as a result of the decision that incumbent LECs may not impose a bona fide request requirement on carriers seeking agreements pursuant to sections 251 and 252. (Section III.B - Specific Practices that may Constitute a Violation of Good Faith Negotiation.) For the reasons set forth in Section III.B above, we also find that certain additional practices are not always violations of the duty to negotiate in good faith, including the suggested alternative that all nondisclosure agreements violate the good faith duty.

1368. We do not require immediate filing of preexisting interconnection agreements, including those involving small incumbent LECs and small entities. We set an outer time period of June 30, 1997, by which preexisting agreements between Class A carriers must be filed with the relevant state commission. This decision will ensure that third parties, including small entities, are not prevented indefinitely from reviewing and taking advantage of the terms of preexisting agreements. It also limits burdens that a national filing deadline might impose on small carriers. In addition, the determination that preexisting agreements must be filed with state commissions seems likely to foster opportunities for small entities and

small incumbent LECs to gain access to such agreements without requiring investigation or discovery proceedings or other administrative burdens that could increase regulatory burdens. (Section III.C - Applicability of Section 252 to Preexisting Agreements). For the reasons set forth in Section III.C above, we reject the alternative of not requiring certain agreements to be filed with state commissions.

Summary Analysis of Section IV INTERCONNECTION

1369. *Summary of Projected Reporting, Recordkeeping and Other Compliance Requirements.* Incumbent LECs, including small incumbent LECs, are required by section 251(c) to provide interconnection to all requesting telecommunications carriers for the transmission and routing of telephone exchange service and exchange access service. Such interconnection must be: (1) provided at any technically feasible point; (2) at least equal in quality to that provided to the incumbent LEC itself and to any other parties with interconnection agreements; and (3) provided on rates, terms, and conditions that are "just, reasonable, and nondiscriminatory" ³²⁷³ We conclude that interconnection refers solely to the physical linking of networks for the mutual exchange of traffic, and identify a minimum set of technically feasible points of interconnection. The minimum points at which an incumbent LEC, which may be a small incumbent LEC, must provide interconnection are: (1) the line side of a local switch; (2) the trunk side of a local switch; (3) the trunk interconnection points for a tandem switch; (4) central office cross-connect points; and (5) out-of-band signaling facilities. In addition, the points of access to unbundled elements (discussed below) are also technically feasible points of interconnection. Compliance with these requests may require the use of engineering, technical, operational, accounting, billing, and legal skills.

1370. To obtain interconnection pursuant to section 251(c)(2), telecommunications carriers must seek interconnection for the purpose of transmitting and routing telephone exchange traffic, or exchange access traffic, or both. (Section IV.D. - Definition of "Technically Feasible.") This will require new entrants to provide either local exchange service or exchange access service to obtain section 251(c)(2) interconnection. A requesting carrier will be required to bear the additional costs imposed on incumbent LECs as a result of interconnection. (Section IV.E. - Technically Feasible Points of Interconnection.) Carriers seeking interconnection, including small entities, may be required to collect information to refute claims by incumbent LECs that the requested interconnection poses a legitimate threat to network reliability. (*Id.*)

1371. *Steps Taken to Minimize Significant Economic Impact on Small Entities and Small Incumbent LECs, and Alternatives Considered.* The decision to adopt clear national

³²⁷³ 47 U.S.C. § 251(c)(2).

rules in this section of the Order is also intended to help equalize bargaining power between incumbent LECs and requesting carriers, expedite and simplify negotiations, and facilitate comprehensive business and network planning. This could decrease entry barriers and provide reasonable opportunities for all carriers, including small entities and small incumbent LECs, to provide service in markets for local exchange and exchange access services. (Section IV.B. - National Interconnection Rules). National rules should also facilitate the consistent development of standards and resolution of issues, such as technical feasibility, without imposing additional litigation costs on parties, including small entities and small incumbent LECs. We determine that successful interconnection at a particular point in a network creates a rebuttable presumption that interconnection is technically feasible at other comparable points in the network. (Section IV.E - Definition of "Technically Feasible.") We also identify minimum points of interconnection where interconnection is presumptively technically feasible: (1) the line side of a switch; (2) the trunk side of a switch; (3) trunk interconnection points at a tandem switch; (4) central office cross-connect points; and (5) out-of-band signaling facilities. (Section IV.F - Technically Feasible Points of Interconnection.) These decisions may be expected to facilitate negotiations by promoting certainty and reducing transaction costs, which should minimize regulatory burdens and the economic impact of our decisions for all parties, including small entities and small incumbent LECs. We decline, however, to identify additional points where interconnection is technically feasible for the reasons set forth in section IV.F above.

1372. The ability to enter local markets by offering only telephone exchange service or only exchange access service may minimize regulatory burdens and the economic impact of our decisions for some entrants, including small entities. We decline, however, to interpret section 251(c)(2) as requiring incumbent LECs to provide interconnection to carriers seeking to offer only interexchange services for the reasons set forth in section IV.C above. In addition, we determine that an incumbent LEC may refuse to interconnect on the grounds that specific, significant, and demonstrable network reliability concerns may make interconnection at a particular point sufficiently infeasible. We further determine that the incumbent LEC must prove such infeasibility to the state commission. (Section IV.E - Definition of "Technically Feasible.")

1373. Competitive carriers, many of whom may be small entities, will be permitted to request interconnection at any technically feasible point, and the determination of feasibility must be conducted without consideration of the cost of providing interconnection at a particular point. (Section IV.D. - Definition of "Technically Feasible.") Consequently, our rules permit the party requesting interconnection, which may be a small entity, and not the incumbent LEC to decide the points that are necessary to compete effectively. (Section IV.E. - Definition of Technically Feasible). We decline, however, to impose reciprocal terms and conditions for interconnection on carriers requesting interconnection. Our decision that an party requesting interconnection must pay the costs of interconnecting should minimize regulatory burdens and the economic impact of our interconnection decisions

for small incumbent LECs. Similarly, regulatory burdens and the economic impact of our decisions may be minimized through the decision that, while a requesting party is permitted to obtain interconnection that is of higher quality than that which the incumbent LEC provides to itself, the requesting party must pay the additional costs of receiving the higher quality interconnection. (Section IV.H - Interconnection that is Equal in Quality.)

Summary Analysis of Section V ACCESS TO UNBUNDLED NETWORK ELEMENTS

1374. *Summary of Projected Reporting, Recordkeeping and Other Compliance Requirements.* Under section 251(c), incumbent LECs are required to provide nondiscriminatory access to unbundled network elements. We identify a minimum set of network elements: (1) local loops; (2) local and tandem switches; (3) interoffice transmission facilities; (4) network interface devices; (5) signaling and call-related database facilities; (6) operations support systems and functions; and (7) operator and directory assistance facilities. (Section V.J - Specific Unbundling Requirements.) Incumbent LECs are required to provide nondiscriminatory access to operations support systems and information by January 1, 1997. States may require incumbent LECs to provide additional network elements on an unbundled basis. Incumbent LECs must perform the functions necessary to combine unbundled elements in a manner that allows requesting carriers to offer a telecommunications service, and the incumbent LEC may not impose restrictions on the subsequent use of network elements. Compliance with these requests may require the use of engineering, technical, operational, accounting, billing, and legal skills.

1375. If a requesting carrier, which may be a small entity, seeks access to an incumbent LEC's unbundled elements, the requesting carrier is required to compensate the incumbent LEC for any costs incurred to provide such access. For example, in the case of operation support systems functions, such work may include the development of interfaces for competing carriers to access incumbent LEC functions for pre-ordering, ordering, provisioning, maintenance and repair, and billing. Requesting carriers may also have to deploy their own operations support systems interfaces, including electronic interfaces, in order to access the incumbent LEC's operations support systems functions. The development of interfaces may require new entrants, including small entities, to perform engineering work. (Section V.J.5 - Operations Support Systems Unbundling.)

1376. *Steps Taken to Minimize Significant Economic Impact on Small Entities and Small Incumbent LECs, and Alternatives Considered.* The establishment of minimum national requirements for unbundled elements should facilitate negotiations and reduce regulatory burdens and uncertainty for all parties, including small entities and small incumbent LECs. National requirements for unbundling may allow new entrants, including small entities, to take advantage of economies of scale in network design, which may minimize the economic impact of our decision. As set forth in Section V.B, above, we reject several alternatives in making

this determination, including proposals suggesting that the Commission should: (1) not identify any required elements; (2) allow the states exclusively to identify required elements; or (3) adopt an exhaustive list of elements.

1377. As set forth above, the 1996 Act defines a network element to include "all facilit(ies) or equipment used in the provision of a telecommunications service," and all "features, functions, and capabilities that are provided by means of such facility or equipment, including subscriber numbers, databases, signaling systems and information sufficient for billing and collection or used in the transmission, routing or other provision of a telecommunications service." (Section V.C - Access to Unbundled Elements.) As a result, new entrants, which may include small entities, should have access to the same technologies and economies of scale and scope that are available to incumbent LECs. In reaching our determination, we reject for the reasons set forth in Section V.C above, the following alternatives: (1) that we should not adopt a method for identifying elements beyond those identified in the 1996 Act; and (2) that features sold directly to end users as retail services are not network elements. Finally, we reject the argument that requesting carriers, which may include small entities, are required to provide all services typically furnished by means of an element they purchase. (*Id.*) Our rejection of this last alternative may reduce burdens for some small entities by permitting them to offer some, but not all, of the services provided by the incumbent LEC.

1378. We conclude that the requirement to provide "access" to unbundled network elements is independent of the interconnection duty imposed by section 251(c)(2), and that such "access" must be provisioned under the rates, terms and conditions applicable to unbundled network elements. We believe these conclusions may provide small entities seeking to compete with incumbent LECs with the flexibility to offer other telecommunications services in addition to local exchange and exchange access services. (Section V.D. - Access to Unbundled Elements.) For the reasons set forth above in Section V.D, we reject the argument that incumbent LECs are not required to provide access to an element's functionality, and that "access" to unbundled elements can only be achieved by interconnecting under the terms of section 251(c)(2). See Section V.C. above.

1379. As set forth above, we conclude that an incumbent LEC, which may be a small incumbent LEC, may decline to provide a network element beyond those identified by the Commission where it can demonstrate that the network element is proprietary, and that the competing provider could offer the proposed telecommunications service using other nonproprietary elements within the incumbent's network. (Section V.E - Access to Unbundled Elements.) This should minimize regulatory burdens and the economic impact of our decisions for incumbent LECs, including small incumbent LECs, by permitting such entities to retain exclusive use of certain proprietary network elements.

1380. We conclude that incumbent LECs: (1) cannot impose restrictions,